Selected Geoindicators and Their Ecological Importance, Degree of Human Influence, and Management Significance at Fire Island National Seashore.

Geoindicators Identified in the FIIS Barrier Island Ecosystem	How important is the process to the park's ecosystem?	Rank the human impact on the geologic process	Significance to park management
Arid and Semi-Arid			
Dune formation and reactivation	**H**	**H**	**H**
Wind erosion	**H**	**H**	L
Coastal			
Relative sea level	**H**	**H**	**H**
Shoreline position	**H**	**H**	**H**
Groundwater			
Groundwater chemistry in the unsaturated zone	L	L	L
Groundwater level	M	L	M
Groundwater quality	**H**	**H**	M
Surface water			
Surface water quality	L	L	L
Wetlands extent, structure, and hydrology	**H**	**H**	**H**
Hazards			
Slope failure (landslides)	L	**H**	L
Other (multiple environment)			
Sediment sequence and composition	M	**H**	L

Geoindicators Identified in the William Floyd Estate	How important is the process to the park's ecosystem?	Rank the human impact on the geologic process	Significance to park management
Surface water			
Surface water quality (two streams, one pond)	**H**	**H**	M
Streamflow	**H**	M	M
Other (multiple environment)			
Soil quality	L	L	L

H-HIGHLY influenced by, or with important utility for M-MODERATELY influenced by, or has some utility for
L-LOW or no substantial influence on, or utility for